

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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Hearings Scheduled on APAC Report Recommendations

Hard Choices: The Next Step in Preserving Enhancement, the report of the Academic Planning Advisory Committee (APAC), is now under review by the Senate Committee on Programs, Curricula and Courses (PCC).

The committee welcomes written comments from the campus community regarding the report. Written comments should be sent to Kathleen Smith, executive secretary, Campus Senate, Rm. 0104, Reckord Armory, not later than March 20, 1992.

The committee also will hold open hearings in the Maryland Room of Marie Mount Hall on the following dates:

February 20 – Department of Recreation (RECR) 8:30 - 10:00 a.m.

February 27 – Department of Radio-Television-Film (RTVF) 8:30 - 10:00 a.m.

March 5 – Department of Industrial, Technological, and Occupational Education (EDIT) 8:30 - 10:00 a.m.

March 5 – College of Human Ecology, Department of Family and Community Development (FMCD), Department of Textiles and Consumer Economics (TXCE), Department of Human Nutrition and Food Systems (HNFS) 3:30 - 5:00 p.m.

March 19 – General Hearing on any aspect of APAC Report as well as rec-

ommendations regarding Department of Urban Studies and Planning (URBS), Department of Agricultural and Extension Education (AEED), Department of Housing and Design (HSAD), 8:30 - 10:00 a.m.

Members of the campus community who wish to present comments at these hearings are asked to provide written copies of their comments for distribution to the members of the PCC Committee. The committee intends to make its recommendations to the Campus Senate no later than April 1, 1992.

Campus Senate to Hold First Spring Semester Meeting

The Campus Senate will hold its first meeting of the 1992 Spring Semester Monday, February 10 at 3:30 p.m. in Room 0126 of the Reckord Armory.

Special orders of the day include a 15-minute question and answer session with President William E. Kirwan, and a presentation on local and

national trends in intercollegiate athletics by Andy Geiger, director of intercollegiate athletics.

Items on the agenda include an update on the PCC review of the APAC report hearing schedule, a report on establishing a campus merit pay policy, and reports from the Academic Planning Advisory Commit-

tee, the General Committee on Governmental Affairs, and the Strategic Planning Committee.

Action items are expected to include recommendations on a UMCP merit pay distribution policy, a resolution on reduced library hours, and a graduate certificate in housing finance and development.

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Aerospace Wins Grant to Apply Smart-Structures Technology to Rotorcraft

The Department of Aerospace Engineering has won a University Research Initiative grant from the U.S. Army Research Office that could total \$2.3 million over five years.

The grant will support an integrated, interdisciplinary basic research program focusing on the technology of smart structures and their application to helicopters.

Helicopters are susceptible to high vibratory loads, aeromechanical instabilities, excessive noise, poor flight stability and high dynamic stresses. Compared to fixed-wing aircraft, helicopters suffer from high operating costs, poor ride quality, low fatigue life of structural components, less reliability, inferior handling qualities and a restricted flight envelope.

"More than any other system, the structural, mechanical and aerodynamic complexity and the interdisciplinary nature of rotorcraft offer many opportunities for the application of smart structures technologies with the potential for very substantial payoffs in system effectiveness,"

notes Inderjit Chopra, professor of aerospace engineering and the project's principal investigator.

Using this approach, the researchers will explore the potential of smart structures—light-weight sensors and actuators made of piezoelectric crystals—embedded in or mounted on the surface of the helicopter rotor blades, transmission shafts and airframe.

The goal will be to reduce vibration, minimize rotor blade dynamic stresses, ensure aeromechanical stability, reduce acoustic levels, increase the life of structural components, enhance handling qualities, and detect and suppress incipient damage, Chopra says.

The program will be carried out through the university's Center for Rotorcraft Education and Research. In addition to funding provided by the grant, the research will be supported by additional funds from the university. Campus researchers are expected to work in close collaboration with rotorcraft industry, Army and NASA laboratories.

Counseling Center to Host College-bound Workshops

The Counseling Center's Learning Assistance Service is offering a new two-day program of workshops for high school juniors and seniors to help develop study skills on February 29 and March 7 from 9 a.m. to 4 p.m. in Rm. 2201 of the Shoemaker Building. Cost of the two-day program is \$125. The center will also be offering two separate workshops on "Learning How to Learn Math" on Monday, March 16 from 4:30 to 6:30 p.m. Each class is \$35. For more information, call (301) 314-7702.

Letters and Sciences Division to Launch New Lecture Series



Maynard "Sandy" Mack, Jr.

The Division of Letters and Sciences has introduced its first annual lecture series to "Celebrate Learning," featuring three of the campus' most dynamic faculty members.

The first session will feature Maynard Mack, Jr., associate dean for undergraduate studies and associate professor of English. His presentation will explore ways in which the humanities, and education in general, can help in finding language adequate for living in a complex and often painful world.

Mack's presentation will be held Wednesday, Feb. 12 at 7 p.m. in Rm.

2203 of the Art-Sociology Building. A reception will follow.

The opening session also will feature a welcome and remarks by President William E. Kirwan.

On March 18, Eugenie Clark, internationally recognized and frequently honored expert on the behavior of sharks, and professor of zoology, will discuss her own work, a lifetime that illustrates academic progress through careful scientific inquiry.

On April 29, Alaka Wali, assistant professor of anthropology and co-director of the Curriculum Transformation Project, "Thinking about

Gender," will share results of her recent research on the hidden life of Maryland's affluent Montgomery County.

Undergraduate Dean Kathryn Mohrman and Sociology Professor John Pease also will participate in the "Celebrate Learning" series.

"Celebrate Learning" is one of the Division of Letters and Sciences' efforts to help students develop thoughtful, comprehensive plans for their general education as well as make careful decisions about their choice of a major.

Colonnade Society Names Governing Board, New Scholarship Program Announced

Twenty-five friends and alumni of the university have been named to leadership positions on the governing board of the Colonnade Society. The premier giving society of the university, Colonnade members are recognized for annual gifts of \$1,000 or more. Almost 500 people have joined the society since it was established in early 1991.

The 25 new board members will take an active role in guiding Colonnade and building new membership. The board's officers include: Chair Evelyn Pasteur Valentine, M.S. '67, Ph.D. '86, president, The Pasteur Center for Strategic Management, Baltimore; Vice Chair Robert A. Bedingfield, '70, partner and director of audit, Ernst & Young, Washington, D.C.; and Secretary/Treasurer Thomas J. Healy, '79, partner, Andersen Consulting, Washington, D.C.

Board members include: William N. Apollony, '69, MBA '76, senior vice president, First National Bank of Maryland, Baltimore; Marilyn R. Berman, '74, GSC '79, associate dean, College of Engineering, UMCP; Peter Bjerke, '76, agency manager, Metropolitan Life Insurance, Rockville; John M. Boyle, '76, vice president, Ferris, Baker Watts, Inc., Baltimore; Susan L. Boyle, '77, principal, Columbia Collective Design, Columbia; Joel A. Carrington, Ph.D. '70, Baltimore; Ralph W. Crosby, '56, president, Crosby Communications, Inc., Annapolis; Russell A. Davis, '84, registered representative, Prudential Insurance Company, Landover; and Thomas N. Eichbaum, '74, principal, Keyes, Condon, Florence, Eichbaum, Escoff & King Architects, Washington, D.C.

Also named to the board are: Leonard J. Elmore, '78, partner, Temple, Pearson, Elmore & Grady, P.C., Washington, D.C.; Gail Segal Elmore, '75, managing director, Continental Bank, New York; Gerard E. Evans, '77, M.A. '82, partner, Rifkin, Evans, Silver & Rosner, Baltimore; Frances Hughes Glendening, '74, M.A. '77, executive assistant to the commissioner, Federal Election Commission, Washington, D.C.; Lorraine Dillard Gray, '70, University Park; John M. Haas, '62, president, Haas Tailoring Company, Baltimore; Jeffrey M. Menick, '68, vice president, Merrill Lynch Consumer Markets, Washington, D.C.; Andrew O. "Sonny" Mothershead, president, Sonny's Building & Supply, Inc., College Park; Jay H. Nussbaum, '66, Great Falls, VA; Judy D. Olian, special assistant to the president, UMCP; Kenneth D. Roy, '77, district manager, Xerox Corp., Washington, D.C.; Mary Katherine Scheeler, partner, Scheeler & Scheeler, Attorneys, Towson; and Karin Turner, McLean, VA.

"I am very pleased to have the energy and commitment of these fine people who will serve on the Colonnade Board," says Valentine. "I look forward to a year of dynamic growth from this organization. I think the sky is the limit."

At the board's inaugural meeting on January 15, President William E. Kirwan announced the establishment of the Colonnade Society's Key and Banneker Scholarship Program. A fundraising priority for the coming year, Colonnade has established two of these \$25,000 endowed undergraduate scholarships, and more are planned. Besides the new scholar-

ships, society members are free to direct their donations to any College Park department or program they wish.

According to Valentine, the 25 members of the Colonnade Board will each serve on one of four committees: development; public relations and marketing; strategic planning; and activity and events. These committees have already begun work on plans for the coming year.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

Kathryn Costello Vice President for Institutional Advancement

Tom Otwell Acting Editor
Lisa Gregory Staff Writer
Gary Stephenson Staff Writer
Fariss Samarai Staff Writer
Beth Workman Staff Writer
Laurie Gaines Calendar Editor

Judith Bair Director of Creative Services
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Stephen Darrou Layout & Illustration
Christopher Paul Layout & Production
Al Danegger Photography
Kerstin A. Neteler Production Intern

Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Editor Outlook, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Nominees for Student Citizenship Awards Sought

The Office of Campus Activities is requesting assistance in identifying students for the Byrd Citizenship Prize (a male and female senior), the Wilson H. Elkins Citizenship Award (a senior), and the Bethune Citizenship Award (a black junior or senior). Nominees must have contributed significantly to the general advancement of student affairs and the university. Nominations should be forwarded to the Office of Campus Activities, Room 1191, Stamp Student Union, no later than Friday, February 14.

NEWS

Alumni, Parents and Friends Show Support for College Park

Hundreds of alumni, parents and friends of the University of Maryland at College Park have stepped forward to support campus faculty and students in the face of mounting budget cuts imposed by Annapolis. The cuts — which now total some \$40 million, 20 percent of the university's state appropriation — have galvanized the university community as never before.

"We're overwhelmed by the support that we've received from alumni, parents and friends," said Leonard Raley, assistant vice president for Institutional Advancement. "People have called, they've stopped by, they've written letters — all asking 'what can I do to help College Park?'"

Raley said organizations like the College Park Alumni Association and the College Park Association of Parents have worked side-by-side with faculty organizations like the Governmental Affairs Committee of the Campus Senate on a number of activities.

All three groups played a major role in "Maryland at Risk Day" on Nov. 25. Faculty, students, alumni and parents were involved in the all-

day "teach in," which was highlighted by a boisterous noontime rally at Reckord Armory.

But "Maryland at Risk" is only one example of how alumni and parents are supporting the tireless work of faculty, students and staff.

A special issue of "Alumni upDates," the quarterly newsletter of the College Park Alumni Association (CPAA), was published in January. The issue focused on how budget cuts were affecting faculty and students at College Park. In a special column, CPAA President Will Godwin called on all Maryland alumni to write their legislators in Annapolis in support of College Park. The College Park Association of Parents sent out a similar call in their newsletter, the "Terrapin Parent." Hundreds of letters calling for an end to the budget cuts have been written to date and more are on the way as well as phone calls from alumni and parents.

In December, alumni and parents also testified at a series of regional budget hearings that were organized by a select committee of senators and representatives of the Maryland General Assembly. Those testifying on behalf of College Park included



Jeanne Klugel, president of the College Park Association of Parents; Jim Shaw, former president of the College Park Alumni Association; and former U.S. Senator Joseph Tydings.

"It's very gratifying to see that support for College Park is strong throughout the state," Raley said. "By now I think everyone in Annapolis knows how much our alumni, parents, faculty and students love their university."

—Tim McDonough

Curriculum Transformation Project Proposal Reaches FIPSE Finals

The Curriculum Transformation Project's preliminary proposal "Women in an Era of Global Change: International Perspectives" has been successful in the first round of the Fund for the Improvement of Post-secondary Education (FIPSE) Comprehensive Program competition.

The proposal was one of 250 from a field of 1,600 to be selected for final competition.

If funded, the \$450,000 project will offer faculty in international studies an opportunity to integrate materials and perspectives on women and gender into their courses and research.

Faculty who teach about women and gender will have the opportunity to enhance the international dimensions of their work as well, says Deborah Rosenfelt, project director.

"The project will support a lecture series by visiting scholars, associated with a faculty study group, and two successive summer institutes, all providing international studies scholars and women's studies scholars with economic support for dialogue about issues of common concern and for curricular enhancement," says Rosenfelt.

Topics that might be addressed

include implications of the rise of new free market economies for women's lives, the significance of gender issues in the formation of national identity and purpose, and comparative perspectives on the relationship between family life and women's work.

Faculty interested in participating in the project should contact Rosenfelt at 1120 Francis Scott Key Hall or call (301) 405-6882 before February 24.

Bielec to Visit University of Cairo

John A. Bielec, assistant vice president for administration, will be visiting the University of Cairo February 23-29 to review administrative practices and the use of information technology in university management at the request of the Fulbright Commission in Egypt.

While at the University of Cairo, Bielec will present a lecture on "Recent Trends in University Administrative Computing."

The Fulbright Commission in Egypt has designed a Professional Exchange Program for Egyptian university administrators to meet the needs of senior officers who report directly to the presidents of universities.

Last year, the program's first year, the commission offered two grants to Egyptian university vice presidents with one grantee participant in a program on "Strategies and Tools for Institutions Management," devel-

oped by Bielec and Tal Shehata, director of the Office of International Programs in the College of Agriculture and Life Sciences.

As a result of that program, the commission asked Bielec to come to the University of Cairo.



International Service Award Nominees Sought

The International Affairs Committee is soliciting nominations from university faculty and administrators for the second annual Distinguished International Service Award. The award is designed to recognize significant contributions to the university during the past few decades when international programs were being developed for the first time. The deadline for nominations is March 1. For more information, contact the Office of International Affairs at (301) 405-4772.

A Window on Culture: Architecture Is Much More Than Buildings

To many people, architecture means buildings. But ask Steven Hurtt, dean of the School of Architec-

ture, and not departmentalized, I am close to the curriculum and involved in the everyday workings of the

ment at the current time," he says. "The worst thing about our current situation is the extent to which extremely rigid and limiting environments are forced upon us, ironically in the name of choice and freedom." Hurtt believes that many of today's problems of dislocation and social segregation are a result of these environments in which all houses are comparatively the same size, on the same size lot, and the same price.

Hurtt says he'd make a much more heterogenous physical environment that optimally would support a much more heterogenous population, and cites the area around Rock Creek Park as a good example of such an environment. "The area offers everything — a natural environment in the park, commercial environment, work environment, and an extremely diverse housing environment," he says. "This area represents, in terms of its heterogeneity, a better model for suburban development than the ones we're currently using."

Increasing computer capability in the school is a goal currently being met. Last year there was a significant increase in the number of computers available to students, making the ratio about one computer for every 15 students. "Our students have special needs," says Hurtt. "We need CAD materials, not word processing." Hurtt hopes to see further improvements, including computers at every design student's drawing table.

The needs of students also are met through the school's lecture series, summer preservation programs, and study abroad programs. Locations for the summer programs include Cape May, NJ; England; Southern Europe, with emphasis on Rome; Northern Europe, with emphasis on Paris; and the Middle East, with emphasis on Turkey and Tunisia.

—Beth Workman



Steven Hurtt

ture, and he'll tell you it's much more. Architecture, according to Hurtt, includes the natural environment, affects the social environment, and reveals culture. In the broadest sense, architecture is the physical environment that supports our settlement.

Hurtt came to the university in the fall of 1990, but was no stranger to it at that time — he grew up in the Maryland suburbs of Washington, D.C., was very aware of the School of Architecture's founding in 1967 when he graduated from Cornell University's urban design graduate program, and he taught summer school at Catholic University from 1975-1985, during which time he became acquainted with some of the College Park faculty.

What attracted him to his present position as dean was the solid program, the excellent, hard-working faculty who are devoted to their students, and the organization of the School of Architecture. "Because we are exclusively a school of architec-

school," says Hurtt.

Despite the fact that adding a graduate program in landscape architecture to the curriculum would probably mean departmentalization, Hurtt would like to see this goal realized. "Landscape architecture, as well as city planning, is very important to Maryland, a rapidly developing, rapidly urbanizing state with a precious and vulnerable natural environment," he says.

He also would like to see the school's other long-standing goal of adding a Ph.D. program in architectural history realized. "The architectural history program would be a significant complement to the excellent art history program already in place," says Hurtt.

Additionally, housing and community design, international studies, and urban design are areas identified to eventually expand the school's offerings. In Hurtt's opinion, urban design is a much-needed field of study.

"We have an extremely limited set of paradigms for suburban develop-

Architecture Studio Offers Individual Tutoring

Every Monday, Wednesday and Friday from 2 to 6 p.m. most of the architecture students (approximately 180) and faculty can be found in the School of Architecture's studio, located on the ground floor of the building. Here each student has his or her own table, where for 12 scheduled and many more unscheduled hours each week they consider the issues and problems associated with their particular projects.

Studio is a six-credit course taken

by students each semester. According to Dean Steven Hurtt, the investment of time, for students and faculty alike, is far more than the hourly reward that six-credit hours would typically carry.

"One of the things that distinguishes architecture education is that you are required to be making very, very complex value judgments and integrate knowledge on the basis of inadequate information," says Hurtt. He explains that although architects

want, hope and expect people to react to a space in a certain way, there are no guarantees.

"Faculty are concerned not only with teaching issues through a specific project, but also with nurturing a student's growth and understanding beyond the particular project they are working on," he says. "More than half the studio time can be thought of as tutoring for the individual student."



Distinguished Lecturer Series Nominees Sought

The Department of Art History and Archaeology Graduate School's Distinguished Lecturer Series Committee is currently seeking nominations. The theme for the 1992-93 lecture series is Environment. The purpose of the series is to bring to campus eminent scholars who have helped shape their field and who can also speak across disciplinary boundaries as well as engage non-specialists. Send nominations to Jan Ekert, Department of Art History, 1211-B Art-Sociology Building by Feb. 14. For more information, call 5-1479.

ARTS

CAST Introduces African-American Literature Lecture Series

In direct response to the needs of Maryland's secondary school teachers, the Center Alliance for Secondary School Teachers and Texts (CAST) this year introduced an African-American Literature Series.

"There is little question that the 1990s will be the decade in which the fact of ethnic diversity in our schools and country at large is increasingly recognized and dealt with..." says Maynard Mack, Jr., associate professor of English, associate dean of Undergraduate Studies, and CAST co-director. "Teachers must play a major role in determining how curricula are diversified and must be given opportunities to study new material in depth so that the new texts excite them as much as the traditional texts."

CAST, created in 1988 by the university's Center for Renaissance and Baroque Studies to improve the teaching of major literary texts in secondary schools throughout the state, is co-directed by Adele Seeff. Jane Deren is program director.

In its first three-year funding cycle, CAST received a \$352,000 grant from the National Endowment for the Humanities; in its second three-year funding cycle, CAST received \$190,000 and the promise of \$63,000 in matching funds.

The new African-American Literature Series is being held in Howard Coun-

ty. Three of the series' five lectures have already been held and have received rave reviews. Carla Peterson, associate professor of English and Comparative Literature, presented two lectures on 19th-century literature, and Mary Helen Washington, professor of English, presented "The Speech of Walk and Shout: Women Writers and the Tradition of the Black Vernacular."

"You made one white male long to read, learn, and appreciate much more in this area," said one participating teacher. Another teacher praised the series by commenting that it "inspired me to explore the bibliography on my own." Another said, "This program gave me a starting place for my own study of black literature."

"What impressed me was that the interest was already there," says Peterson. "The teachers were asked to introduce more multi-cultural material, and they wanted to but didn't know how."

In her lectures, Peterson emphasized the need to see African-American literature as a part of American literature. She used as an example poet Francis Harper, who is considered a sentimental poet. Peterson compared Harper on the one hand to Longfellow and Whittier, who wrote out of unitarian culture, and on the other hand to Emily Dickinson, who

was able to be idiosyncratic and eccentric in her writings because she did not recite them in public as did Harper.

The remaining two lectures in the African-American Literature series will focus on the Harlem Renaissance and Richard Wright. Baltimore County is eagerly anticipating the African-American Literature Series next year.

CAST is drawing from the increased strength of the English department and Afro-American Studies program. In addition to Peterson and Washington, Shirley Logan, assistant director of the Professional Writing Program, and Elaine Upton, associate professor of English, will be part of the CAST faculty.

Traditional literature continues to be a focus for CAST, which offers year-long institutes, workshops, teacher conferences and high school drama festivals on Shakespeare, world drama, and American literature, in counties across the state.

This year CAST also is offering a year-long Institute on American Literature in Cecil County and a summer Institute on Shakespeare in Washington County.

—Beth Workman



An illustration from Jacob Lawrence's Harlem Series, 1942-1943

Africa and Africa in the Americas Project Heads In New Direction With New Director

Under the direction of a new chair, A. Lynn Bolles, associate professor of Women's Studies, and with the support of President William E. Kirwan, Arts and Humanities Dean Robert Griffith, and Behavioral and Social Sciences Dean Irwin Goldstein, the Africa and Africa in the Americas Project is heading in a new direction.

Now on its way to functioning as a research institute, though retaining its committee format, the project's mission is to promote the understanding and knowledge of Africa and the African diaspora from a disciplinary and multi-disciplinary perspective. The project is not meant to replicate Afro-American Studies, says Bolles, but to bring the university together.

The project's new direction is possible, says Bolles, because its initial focus of recruiting faculty and establishing courses was so successful.

Some of the faculty who have joined

the university since the project began in 1985 include: Phyllis Butler, Spanish and Portuguese; Robert Jackson, human nutrition and food systems; Tony Whitehead, anthropology; and Rhonda Williams, Afro-American Studies. Courses that have been developed include: Special and Cultural Effects of Colonization and Racism; African-American Short Story; Africa in Brazil; and Slavery and Race Relations in Latin America.

With these in place, the project can now focus on building a sense of community, organizing a prospective institute, addressing the needs of the campus on a curricular and programmatic basis, and sharing research interests and encouraging additional research.

The advancement of research will be aided in part through awards to faculty and graduate students and in-house research exchanges among faculty and graduate students. At a

half-day retreat on December 12, the project members also agreed to provide students each semester with a list of course offerings related to Africa and Africa in the Americas. Future plans include coordinating cross-listed courses, team-taught courses and a guest lecture-based course.

Other activities planned to meet the challenge of advancing knowledge and information on issues and events affecting Africa and Africa in the Americas include the Frederick Douglass lecture on February 20 at 8 p.m. in Room 2203 of the Art/Sociology Building, the Harriet Tubman lecture, and the Cross-Roads in Film series.

The Frederick Douglass lecture will feature Horace C. Boyer, professor of music at the University of Massachusetts, Amherst, who will present "The Old Ship of Zion: From Africa to African-American Gospel Music."



Diana Jackson (left), assistant dean, College of Behavioral and Social Sciences, discusses curriculum with Sharon Harley (right), Afro-American Studies professor, during a recent Africa and Africa in the Americas' retreat.

Artist Charles Sanders Peirce is Lecture Topic

R. Jackson Wilson, professor of history at Smith College, will speak Thurs., Feb. 13 on "Forging Reputations: Charles Sanders Peirce, The Philosopher as Artist." The lecture will begin at 3:30 p.m. in Room 1120, South Campus Surge Bldg. A reception will follow. The lecture is made possible by a gift to the English department by of John and David Petrou in honor of Bebe Koch Petrou. For more info call 405-3809.

Cosmic Rays Found to Form New Radiation Belt



Glenn M. Mason

Glenn M. Mason, professor of physics, and a team of American and Russian scientists, working under an agreement between NASA and the Russian Space Research Institute, recently reported the discovery of a new belt of radiation trapped in the Earth's magnetic field.

According to Mason and his colleagues, the new belt is formed from the "anomalous" component of cosmic radiation. This component of cosmic radiation consists of ions with only one of their orbital electrons missing. Most cosmic rays have lost all their orbital electrons. This makes it possible for anomalous cosmic rays to penetrate deeper into the Earth's magnetic field.

Some of these ions graze the Earth's atmosphere causing their remaining orbital electrons to be stripped away. When this occurs, the ions can no longer escape the Earth's magnetic field and may instead become trapped in it. The team found that the trapped oxygen ions have about 1,000 times the intensity of the anomalous cosmic ray oxygen in nearby interplanetary space.

The team first published its report on the detection of trapped anomalous cosmic ray oxygen ions in the

November issue of *Geophysical Research Letters*. According to the report, the ions were detected by plastic track detectors flown on Soviet Cosmos satellites by team members at the Institute for Nuclear Physics at Moscow State University. The data come from numerous satellite flights spanning a period of three years.

According to Mason, scientists at the Naval Research Laboratory confirmed this detection using computer simulations to show that the pattern of tracks in the Russian detectors was attributable to oxygen ions trapped in the Earth's magnetic field. Theoretical investigations at the Aerospace Corporation and Moscow State University showed that the anomalous component was the source of the trapped oxygen ions. Using measurements from the California Institute of Technology's instrument on the American IMP-8 spacecraft, the team monitored the intensity variations of anomalous cosmic-ray oxygen ions outside the Earth's magnetic field. Mason and his colleagues found these variations were closely correlated with those of the geomag-

netically trapped oxygen ions during the three-year study.

The search for trapped anomalous cosmic rays was prompted by a theoretical prediction that, if anomalous cosmic rays were singly ionized, they should become trapped in the Earth's magnetic field in the manner described. A measurement earlier this year by the same team showed that anomalous cosmic rays were, indeed, singly ionized.

According to Mason, these new results provide an opportunity to investigate the composition of the interstellar matter by examining the sample which is concentrated in the Earth's magnetic field. The scientists also expect that, in addition to oxygen, this new radiation belt will contain the ions of other elements such as carbon, nitrogen, neon and argon.

This discovery of trapped anomalous cosmic rays is one of the first to come from the new spirit of cooperation between the American and Russian space programs. The American and Russian scientists have been meeting and comparing data for more than two years to obtain their results.

New Book Captures *The Essence of Leadership*



Edwin Locke

Leadership is the process of inducing others to take action toward a common goal, according to a new book by College of Business and Management professor Edwin Locke and his associates.

The Essence of Leadership (Lexington Books), is the final product of a graduate seminar taught by Locke during the Spring 1989 semester. All of the students were doctoral candidates.

To help students focus on the substance of leadership rather than its style, Locke chose books for his seminar that concentrated on real leaders and what they do. He also invited guest speakers to his class, successful leaders in their own right, who offered their views on leadership. Among them were Stuart Bainum, CEO of Manor Care, Inc. and Shigehiko Hattori, president of Shimadzu Science Instruments, Inc.

Based on class readings, oral presentations and individual observations, Locke and his class constructed a leadership model, one that was significantly different from all others in that it presented the complete leadership puzzle, not just pieces of it.

"When we realized that our model was distinctive from all others, we decided a book was in order," Locke says. "Our aim was to explain the leadership themes that have emerged

over and over again in study after study."

The new book deals with essentials rather than the minute facets of leadership. It is based on a model that identifies specific motives and traits that are characteristic of effective leaders, as well as different from those of non-leaders. Typical motives exhibited by leaders include ambition, energy, and the desire to influence others. Traits that are most common to successful leaders include integrity, self-confidence, creativity, and flexibility.

Another element of the "Locke model" are KSAs, the knowledge, skills and ability associated with effective leadership. Among other things, these involve leaders' technical expertise, their interpersonal communication and problem-solving skills, as well as innate ability.

Vision and the implementation of vision also are key elements of the model. A leader must possess an "overarching goal, mission, agenda, central purpose"—a vision—which serves as the primary guiding force of all organizational activity. "A leader's key function is to develop that vision," Locke says. "After translating it into a precise and succinct vision statement, the leader must convince followers that work-

ing to implement the vision is in their best interest..."

Understandably, the book's longest chapter deals with the implementation of the leader's vision. It is one thing to have a grand vision; quite another to make that vision happen. Successful implementation calls for a leader to find ways to decrease excessive bureaucracy; build a workforce of well-trained employees who share the corporate vision; motivate employees to produce results; establish employee teams that work effectively; manage information gathering and dissemination; and initiate/foster innovation and change.

"There are some aspects of our model that appear to be equally crucial for all leaders if they are to be effective," Locke says. "Desiring to lead, having honesty and integrity, dealing effectively with people, and creating and communicating a vision are important in all leadership settings. It is our intention that *The Essence of Leadership* serve as a guide for leaders and aspiring leaders."

—Mercy Coogan

Rebecca Williams Award Nominations Sought

The Counseling Center is currently accepting nominations for the Rebecca Williams Award for Commitment to Social Change. The award is presented to a university student in tribute to Williams, who was a psychometrist at the Counseling Center from 1968 to 1987 and deeply committed to issues of conscience, including world peace and women's rights. The deadline for nominations is March 2. For more information, call (301) 314-7651.

F.Y.I.

College Park "In the News"

College Park-related stories appear regularly in both the regional and national media, and UMCP faculty members often are quoted as experts in breaking news situations. Here are some recent highlights of news coverage of College Park faculty and staff.

- A study that examined the implications of the infamous Tuskegee syphilis study on AIDS education by Stephen Thomas, director of the Minority Health Research Laboratory, was widely covered in the media. The story was picked by the Associated Press and articles appeared in *U.S. Today*, *The Chicago Tribune*, *The Philadelphia Inquirer*, *The Atlanta Constitution*, *The Birmingham Post-Herald*, and other major newspapers across the nation. Additionally, Thomas was interviewed by several TV programs and will appear on the MacNeil/Lehrer News Hour, Prime Time Live, and in a special WGBH (Boston) PBS NOVA segment. Thomas also was featured in several radio shows

that were aired throughout the country.

- A study on the impact of anti-handgun laws on homicides and suicides in Washington, D.C. by Colin Loftin, a professor in the Institute of Criminal Justice and Criminology, received widespread coverage, including ABC Evening News, The Associated Press, *The Wall Street Journal*, *The Washington Post*, *The Boston Globe*, *The Sun*, *The Washington Times*, and other newspapers and radio stations around the country.

- Joseph Wiedel, professor of cartography in the Department of Geography, was featured in a *Baltimore Sun* article and also appeared in several local papers for his work on designing maps for the blind. He also will be featured in *National Geographic Magazine* and will appear on ABC Network News.

- Avis Cohen, assistant professor of zoology, was featured in a special issue of *Discover Magazine* for her work with nerve tissue. The *Discover*

issue, called "A Celebration of Women In Science," presented the most outstanding women scientists in the United States.

- *Omni Magazine* featured distinguished professor of physics, Roald Sagdeev, in a major, indepth interview. The magazine also ran an article on last year's College Park Soviet high-tech symposium and trade show. Sagdeev also appeared in recent articles in *The Boston Globe* and *The Chronicle of Higher Education*.

- The development of a new type of aircraft, the freewing airplane by a TAP company at College Park, was featured on CNN, WTOP, Channel 7, the Associated Press, and received extensive newspaper coverage, including *The Washington Post*, *The Sun*, *Washington Technology*, and *The Washington Times*.

- *The Washington Post*, in a major article on endangered monkeys, featured research work by James Dietz, assistant professor of zoology.

Omni
DECEMBER 1991

THE SUN

Today

The Washington Post
THURSDAY, DECEMBER 5, 1991

METRO

Prince George's
Business

The Washington Times

1992 Foreign Policy Fellows Announced

Government officials, scholars and journalists from around the world are currently participating as Fellows in the School of Public Affairs' 1992 Advanced Seminar on the U.S. Foreign Policy Process.

Funded primarily by the Ford Foundation and established in 1988, the six-month program allows the 24 Fellows an opportunity to combine academic study with direct exposure to U.S. foreign policymakers, including senior officials in government agencies, Congress, lobbies and think tanks in Washington, D.C.

The 1992 Fellows include: Olusola Akinrinade of Nigeria, a specialist in foreign policy analysis and teacher of history and international relations at Obafemi Awolowo University; Mary Alison Anderson of Jamaica, a lecturer in International Relations at the University of the West Indies-Mona in Kingston; and Susana Bulan of the Philippines, supervising legislative staff officer in the Congressional Planning and Budget

Office for the Philippine House of Representatives.

Kittipong Bunluesin of Thailand, a career diplomat and Second Secretary at the Royal Thai Embassy in Manila; Brahma Chellaney of India, commentator and columnist for Indian and overseas publications; Francisco Diez of Argentina, chief of the Department of the National Representatives in the national Congress for the Radical Civil Union Party;

Artur Dmochowski of Poland, journalist, author, magazine, newspaper and television editor; and Ana Cecilia Escalante Herrera of Costa Rica, a specialist in international trade and dean of the College of Social Science at the University of Costa Rica; Fang Xiaoguang of China, director of the Department of American and Oceanic Affairs for the China Association of Friendly Contact; Anna Husarska of Poland, a multilingual foreign desk reporter at Poland's largest daily newspaper;

Selim Jahan of Bangladesh, director of the economic research unit and associate professor at the Department of Economics at the University Dhaka; and Luis Lara-Resende of Brazil, economic and international advisor for the Christian Democratic Party at the Brazilian Chamber of Deputies.

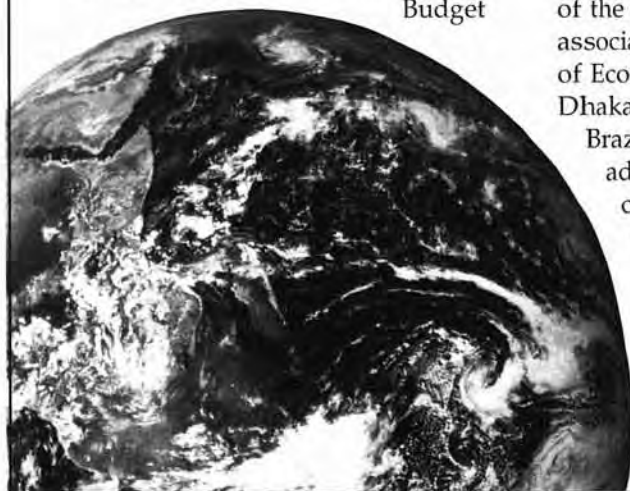
Geza Mezei of Hungary, a specialist in international political institutions and defense and security issues who teaches at

Budapest University of Economics; and James Mugume of Uganda, under secretary and deputy director of the Department of International Organizations, Ministry of Foreign Affairs and representative to the United Nations.

Derrick Nugawela of Sri Lanka, deputy director general of the Greater Colombo Economic Commission; and Phan van Thang of Vietnam, diplomat and international lawyer and specialist in foreign policymaking and public international law in the Ministry of Foreign Affairs.

Maria Soledad Santa Ana Loeser of Chile, a professional in the Market Studies and International Organizations Department of the Chilean Copper Commission; and Assif Shameen of Pakistan, regional business correspondent in Singapore for *Asiaweek*, the largest English-language magazine in Asia.

Sadanobu Taguchi of Japan, assistant director for the planning division of the Small and Medium Enterprise Agency within the Ministry of International Trade and Industry; Susmita Gongulee Thomas of India, counsellor and head of chancery in the Embassy of India in Washington, D.C.; Jurgen Voigt of Germany, foreign policy advisor to the former East German Prime Minister; and Wang Tongle of China, specialist in U.S.-Soviet relations and a Research Fellow at Beijing Institute for International Strategic Studies.



CALENDAR

OMSE to Host Black History Month Events

The Office of Minority Student Education (OMSE) is hosting a program and reception on "Rediscovering Our Heritage: Africa and African Civilization Before and After Slavery" Feb. 13 from 3:30 to 5:30 p.m. in the Art/Sociology Atrium. OMSE is also hosting a film series highlighting the contributions to society of Africans and people of African descent Feb. 10 at noon, 3:30 to 5:30 p.m. in the OMSE Suite, 1102 Hornbake Library. Those attending the program and reception must notify OMSE by Feb. 13. For more information, call (301) 405-5615. 405-5615.

FEBRUARY 10 - FEBRUARY 19

10 MONDAY

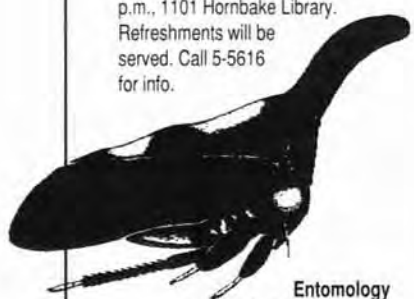
Art Gallery Exhibition: "Images of America: The Painter's Eye, 1833-1925," 63 paintings and watercolors of landscapes, marine views, genre scenes and still lifes from the collection of Dr. and Mrs. Baekeland, Jan. 29-Mar. 15, The Art Gallery. Call 405-2763 for info.

Art Exhibit, William H. Johnson's paintings depicting the black experience during the 1930s and 1940s, Feb. 3-29, Display Case outside the Art Library.

Campus Senate Meeting, 3:30 p.m.-6:30 p.m., 0126 Reckord Armory. Call 5-5805 for info.

Engineering Colloquium: "The Future of Space Reconnaissance," Jeffery Richelson, 3:30 p.m., Goddard Space Flight Center, Greenbelt, Building 3 Auditorium. Call 286-9681, code 735, for info.

Office of Minority Student Education (OMSE) Film Series, highlighting the contributions of Africans and people of African descent to society, 3:30-5:30 p.m., 1101 Hornbake Library. Refreshments will be served. Call 5-5616 for info.



Entomology Colloquium: "Treehoppers: Evolution Gone Wild?," Christopher Detrick, USDA, 4 p.m., 0200 Symons. Call 5-3912 for info.

Horticulture Colloquium: "Assimilate Partitioning: Regulation of Sucrose Formation in Plant Leaves and Roots," Richard Sicher, USDA-ARS, Beltsville, MD., 4 p.m., 0128B Holzapel. Call 5-4336 for info.

Space Science Seminar: "A Survey of Solar Flare Energetic Particle Spectra and Abundances," Joe Mazur, Physics, 4:30 p.m., 1113 Computer/Space. Call 5-6226 for info.

AAUW Local History Speaker: "The Letters of the Mistress of Riversdale: A Talk With the Editor," Margaret Law Callcott, 7:30 p.m., College Park Municipal Building. Call 5-9072 for info.

"Eyes on the Prize" Series, videotapes highlighting important events in Black history, followed by discussion, 7:30 p.m., Cambridge Community Center. Call 4-7608 for info.

Women's Studies Lecture: "Themes of Resistance in African-American Women's Literature," Barbara Christian, UC Berkeley, 8 p.m., 2203 Art/Soc. Reception to follow. Call 5-6877 for info.

11 TUESDAY

Office of Minority Student Education (OMSE) Film Series, highlighting the contributions of Africans and people of African descent to society, 3:30-5:30 p.m., 1101 Hornbake Library. Refreshments will be served. Call 5-5616 for info.

Women's Basketball vs. Virginia, 7:30 p.m., Cole Field House. Call 4-7070 for info.

12 WEDNESDAY

Take Another Look Fair, information displays of student organizations and their sponsored events, 10 a.m. to 4 p.m., Stamp Student Union Grand Ballroom. Call 4-7172 for info.

Ecology Seminar: "Molecular Genetic Divergence and Polymorphism: What's the Connection?" Charles Langley, UC Davis, noon, 1208 Zoo/Psych. Call 5-6912 for info.

Counseling Center Research and Development Meeting: "The Role of Uncertainty Reduction and Compliance Gaining in the Negotiation of Condom Use," Timothy Edgar, Speech Communication, noon-1 p.m., 0106 Shoemaker. Call 4-7691 for info.

Center for Teaching Excellence Open Discussion: "Two Cultures in the Classroom: Teachers and Students at Odds," noon-1:30 p.m., Maryland Room, Marie Mount Hall. Light refreshments served. Call 5-3154 for info.

Molecular and Cell Biology Seminar: "Molecular Genetic Divergence and Polymorphism: What's the Connection?" Charles Langley, UC Davis, 12:05 p.m., 1208 Zoo/Psych. Call 5-6991 for info.

Office of Minority Student Education (OMSE) Film Series, highlighting the contributions of Africans and people of African descent to society, 3:30-5:30 p.m., 1101 Hornbake Library. Refreshments will be served. Call 5-5616 for info.

Art Display: "A Taste of Art: African-American Literature and Cultural Display," features art work, cultural dress, and books, 4-7 p.m., Ellicott Diner Lobby. Call 4-7608 for info.

Black Women's Support Group, 5-6:30 p.m., Counseling Center, Shoemaker. Call 4-7172 for info.

Movie: Mississippi Burning, 7 p.m., 0107 F.S. Key. Call 4-3671 for info.

Black History Lecture: "Storytelling: An African-American Perspective," Elaine Upton, 7-9 p.m., Annapolis Hall Fireside Lounge. Call 4-7608 for info.

13 THURSDAY

Meteorology Seminar: "Fractal Cloud Structure and Climate," Robert Calahan, NASA, 3:30 p.m.; refreshments, 3 p.m., 2114 Computer and Space Sciences; refreshments, 3 p.m. Call 5-5392 for info.

Black History Month Panel Discussion: "Rediscovering our Heritage: Africa and African Civilization Before and After Slavery," Lemma Senbet and Robert Jackson, 3:30-5:30 p.m., Art/Soc Atrium. Call 5-5620 for info.

History and Philosophy of Science Colloquium: "The Stellar Sting: A Venus Scorpion Man Cult of Mesoamerican Warfare and Sacrifice," John Carlson, Center for Archaeoastronomy, 4 p.m., 1116 IPT. Call 5-5691 for info.

Engineering Research Center Reliability Seminar: "Survivability of Electronics in a Space Radiation Environment," Richard Maurer, Johns Hopkins U., 5:15-6:15 p.m., 2110 Chemical and Nuclear Engineering Bldg. Call 5-3887 for info.

Men's Basketball vs. N.C. State, 8p.m., Cole Field House. Call 4-7070 for info.

14 FRIDAY

Speech Communication Colloquium: "Rhetoric and the New Testament: Ephesians I: 3-14 and the Problem of Division in the Early Christian Church," Gary Selby, Speech Communication, noon, 0147 Tawes. Call 5-6524 for info.

Crossroads in Film Series: Mapantsula (Hustler), 7:30 p.m., 2203 Art/Soc. Call 5-7856 for info.

Concert Society at Maryland, Takacs Quartet performs Haydn, Kurtag, and Schubert, 8 p.m., Center of Adult Education, \$17 standard admission, \$15.30 faculty and staff, \$14.50 seniors and \$5 students. Call 80-4240 for info and reservations.

Piano Concert, Adam Makowicz performs compositions of Berlin and Makowicz, 8p.m., Tawes Recital Hall. Call 80-4240 for info.

15 SATURDAY

Unity Workshop, sponsored by the Caribbean Student's Association, 10 a.m.-1 p.m., Stamp Student Union Atrium. Call 4-0669 for info.

16 SUNDAY

Maryland Opera Studio, Premiere Reading of Snow White, by Luigi Zaninelli, 2 p.m., Tawes Recital Hall. Call 5-5548 for info.

17 MONDAY

Art Gallery Exhibition: "Images of America: The Painter's Eye, 1833-1925," 63 paintings and watercolors of landscapes, marine views, genre scenes and still lifes from the collection of Dr. and Mrs. Baekeland, Jan. 29-Mar. 15, The Art Gallery. Call 405-2763 for info.

Art Exhibit, William H. Johnson's paintings depicting the black experience during the 1930s and 1940s, Feb. 3-29, Display Case outside the Art Library.

Entomology Colloquium: "Herbivore Selection or Alternative Plant Life History Stages," Christopher Sacchi, U.V.A., 4 p.m., 0200 Symons. Call 5-3912 for info.

Horticulture Colloquium: "Enhanced Weed Control Using Mycoherbicides Following the Suppression of the Weed Defense Response," Amir Sharon, USDA-ARS, Beltsville, MD., 4 p.m., 0128B Holzapel. Call 5-4336 for info.

African Dance Class, demonstration and instruction of African and

Caribbean dances, 7-10 p.m., Annapolis Hall multi-purpose room. Call 4-7608 for info.

19 WEDNESDAY

Campus Club Luncheon Meeting: "A Day in the Life of a Biostatistician," Patricia Langenberg, Biostatistics, UMBC School of Medicine, 11:45-1 p.m., Carriage House, Rossborough Inn. \$9 admission. Call 4-8015 for info and reservations.



The Hungarian Takacs Quartet perform on Friday, February 14 at 8 p.m. on a priceless set of matched instruments thought to have been owned by Louis XIV and now on permanent loan to the Quartet from the Corcoran Gallery of Art. Admission is \$17 standard, \$15.30 faculty and staff, \$14.50 seniors and \$5 students. Call 80-4240 for info.

18 TUESDAY

Ecology Seminar: "Dynamics in Multi-Species Systems," Richard Levins, Harvard University, noon, 1208 Zoo/Psych. Call 5-6909 for info.

Documentary Film: *Race Against Prime Time*, film addresses the way television news represents African-Americans, 12:30-2 p.m., 0115 Hornbake Library. Discussion to follow. Call 5-2842 for info.

Center for Teaching Excellence Faculty Workshop: "Teaching Effectively With Cooperative Groups in Large Classes," 3-5 p.m., Maryland Room, Marie Mount Hall. Light refreshments served. Call 5-3154 for info.

Physics Colloquium: "Arms Control After the Collapse of the Soviet Union," Steven Fetter, Public Affairs, 4 p.m., 1410 Physics. Call 5-5953 for info.

Shades of Harlem Performance: "A Tribute to Langston Hughes," 7:30 p.m., Cambridge West Hall. Call 4-7608 for info.

Counseling Center Research and Development Meeting: "No Means No: Sexual Harassment," Vicky Foxworth, Office of Human Relations, noon-12:50 p.m., 0106 Shoemaker. Call 4-7691 for info.

Molecular and Cell Biology Seminar: "Disease Resistance in Plants: Genetic Dissection of the Recognition Process," Steven Hutcheson, Botany, 12:05 p.m., 1208 Zoo/Psych. Call 5-6991 for info.

Black Women's Support Group, 5-6:30 p.m., Counseling Center, Shoemaker. Call 4-7172 for info.

Black History Month Lecture: "Destiny for African Americans," Garland R. Hunt, New Generation Campus Ministry, 7:10 p.m., Zoo/Psych. Call 47608 for info.

*Admission charged for this event. All others are free.

